



IFWO

RAW SEQUENCE LISTING

DATE: 08/04/2004

PATENT APPLICATION: US/10/749,714

TIME: 08:28:45

Input Set : D:\21900-20307.10 - Seq List.txt

Output Set: N:\CRF4\08042004\J749714.raw

4 <110> APPLICANT: CORDELL, Barbara
 5 SCHIMMOLLER, Frauke
 6 YU-WANG, Liu
 7 QUON, Diana Hom
 9 <120> TITLE OF INVENTION: MODULATION OF ABETA LEVELS BY
 10 BETA-SECRETASE BACE2
 12 <130> FILE REFERENCE: 219002030710
 14 <140> CURRENT APPLICATION NUMBER: US 10/749,714
 15 <141> CURRENT FILING DATE: 2003-12-31
 17 <150> PRIOR APPLICATION NUMBER: US 09/886,143
 18 <151> PRIOR FILING DATE: 2001-06-20
 20 <150> PRIOR APPLICATION NUMBER: US 60/215,729
 21 <151> PRIOR FILING DATE: 2000-06-28
 23 <160> NUMBER OF SEQ ID NOS: 2
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 1863
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1



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 35 gcccgggcgc tgctgctgcc tctgtggcc cagtggctcc tgccgcgcgc cccggagctg 180
 36 gccccgcgc ccttcacgct gccctccgg gtggccgcgg ccacgaaccg cgtagttgcg 240
 37 cccaccccg gaccgcggac ccctgcgcgg cgccacgccc acggcttggc gctgcgcctg 300
 38 gagcctgccc tggcgctccc cgcgggcgcc gccaaacttct tggccatggt agacaacctg 360
 39 cagggggact ctggcgcgcg ctactacctg gagatgctga tcgggacccc cccgcagaag 420
 40 ctacagattc tcgttgacac tggaagcagt aactttgccc tggcaggaac cccgcactcc 480
 41 tacatagaca cgtactttga cacagagagg tctagcacat accgctccaa gggctttgac 540
 42 gtcacagtga agtacacaca aggaagctgg acgggcttcg ttggggaaga cctcgtcacc 600
 43 atcccaaaag gcttcaatac ttcttttctt gtcaacattg ccactatatt tgaatcagag 660
 44 aattttcttt tgccctgggat taaatggaat ggaatacttg gcctagctta tgccacactt 720
 45 gccaaagccat caagtctctt ggagacctc ttcgactccc tgggtgacaca agcaaacatc 780
 46 cccaacgttt tctccatgca gatgtgtgga gccggttgc ccgttgctgg atctgggacc 840
 47 aacggaggta gtcttgtctt ggggtggaatt gaaccaagtt tgtataaagg agacatctgg 900
 48 tataccccta ttaaggaaga gtggtactac cagatagaaa ttctgaaatt ggaaattgga 960
 49 ggccaaagcc ttaatctgga ctgcagagag tataacgcag acaaggccat cgtggacagt 1020
 50 ggcaccacgc tgctgcgcct gcccagaag gtgtttgatg cgggtggtgga agctgtggcc 1080
 51 cgcgcatctc tgattccaga attctctgat ggtttctgga ctgggtccca gctggcgctg 1140
 52 tggacgaatt cggaaacacc ttggtcttac ttccctaaaa tctccatcta cctgagagac 1200
 53 gagaactcca gcaggtcatt ccgtatcaca atcctgcctc agctttacat tcagcccatg 1260
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56 aggggtgggct tgcagcgcag cccctgtgca gaaattgcag gtgctgcagt gtctgaaatt 1440
57 tccggggcctt tctcaacaga ggatgtagcc agcaactgtg tccccgctca gtctttgagc 1500
58 gageccattt tgtggattgt gtcctatgcg ctcatgagcg tctgtggagc catcctcctt 1560
59 gtcttaatcg tcttgcctgc gctgccgttc cgggtgcagc gtcgcccccg tgaccctgag 1620
60 gtcgtcaatg atgagtcctc tctggtcaga catcgctgga aatgaatagc caggcctgac 1680
61 ctcaagcaac catgaactca gctattaaga aaatcacatt tccagggcag cagccgggat 1740
62 cgatgggtggc gctttctcct gtgccacccc gtcttcaatc tctgttctgc tcccagatgc 1800
63 cttctagatt cactgtcttt tgattcttga ttttcaagct ttcaaatect ccctacttcc 1860
64 aag 1863
66 <210> SEQ ID NO: 2
67 <211> LENGTH: 517
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73 1 5 10 15
74 Leu Leu Arg Ala Ala Pro Glu Leu Ala Pro Ala Pro Phe Thr Leu Pro
75 20 25 30
76 Leu Arg Val Ala Ala Ala Thr Asn Arg Val Val Ala Pro Thr Pro Gly
77 35 40 45
78 Pro Gly Thr Pro Ala Glu Arg His Ala Asp Gly Leu Ala Leu Ala Leu
79 50 55 60
80 Glu Pro Ala Leu Ala Ser Pro Ala Gly Ala Ala Asn Phe Leu Ala Met
81 65 70 75 80
82 Val Asp Asn Leu Gln Gly Asp Ser Gly Arg Gly Tyr Tyr Leu Glu Met
83 85 90 95
84 Leu Ile Gly Thr Pro Pro Gln Lys Leu Gln Ile Leu Val Asp Thr Gly
85 100 105 110
86 Ser Ser Asn Phe Ala Val Ala Gly Thr Pro His Ser Tyr Ile Asp Thr
87 115 120 125
88 Tyr Phe Asp Thr Glu Arg Ser Ser Thr Tyr Arg Ser Lys Gly Phe Asp
89 130 135 140
90 Val Thr Val Lys Tyr Thr Gln Gly Ser Trp Thr Gly Phe Val Gly Glu
91 145 150 155 160
92 Asp Leu Val Thr Ile Pro Lys Gly Phe Asn Thr Ser Phe Leu Val Asn
93 165 170 175
94 Ile Ala Thr Ile Phe Glu Ser Glu Asn Phe Phe Leu Pro Gly Ile Lys
95 180 185 190
96 Trp Asn Gly Ile Leu Gly Leu Ala Tyr Ala Thr Leu Ala Lys Pro Ser
97 195 200 205
98 Ser Ser Leu Glu Thr Phe Phe Asp Ser Leu Val Thr Gln Ala Asn Ile
99 210 215 220
100 Pro Asn Val Phe Ser Met Gln Met Gly Ala Gly Leu Pro Val Ala Gly
101 225 230 235 240
102 Ser Gly Thr Asn Gly Gly Ser Leu Val Leu Gly Gly Ile Glu Pro Ser
103 245 250 255
104 Leu Tyr Lys Gly Asp Ile Trp Tyr Thr Pro Ile Lys Glu Glu Trp Tyr
105 260 265 270
106 Tyr Gln Ile Glu Ile Leu Lys Leu Glu Ile Gly Gly Gln Ser Leu Asn

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107          275          280          285
108 Leu Asp Cys Arg Glu Tyr Asn Ala Asp Lys Ala Ile Val Asp Ser Gly
109          290          295          300
110 Thr Thr Leu Leu Arg Leu Pro Gln Lys Val Phe Asp Ala Val Val Glu
111 305          310          315          320
112 Ala Val Ala Arg Ala Ser Leu Ile Pro Glu Phe Ser Asp Gly Phe Trp
113          325          330          335
114 Thr Gly Ser Gln Leu Ala Cys Trp Thr Asn Ser Glu Thr Pro Trp Ser
115          340          345          350
116 Tyr Phe Pro Lys Ile Ser Ile Tyr Leu Arg Asp Glu Asn Ser Ser Arg
117          355          360          365
118 Ser Phe Arg Ile Thr Ile Leu Pro Gln Leu Tyr Ile Gln Pro Met Met
119          370          375          380
120 Gly Ala Gly Leu Asn Tyr Glu Cys Tyr Arg Phe Gly Ile Ser Pro Ser
121 385          390          395          400
122 Thr Asn Ala Leu Val Ile Gly Ala Thr Val Met Glu Gly Phe Tyr Val
123          405          410          415
124 Ile Phe Asp Arg Ala Gln Lys Arg Val Gly Phe Ala Ala Ser Pro Cys
125          420          425          430
126 Ala Glu Ile Ala Gly Ala Ala Val Ser Glu Ile Ser Gly Pro Phe Ser
127          435          440          445
128 Thr Glu Asp Val Ala Ser Asn Cys Val Pro Ala Gln Ser Leu Ser Glu
129          450          455          460
130 Pro Ile Leu Trp Ile Val Ser Tyr Ala Leu Met Ser Val Cys Gly Ala
131 465          470          475          480
132 Ile Leu Leu Val Leu Ile Val Leu Leu Leu Leu Pro Phe Arg Cys Gln
133          485          490          495
134 Arg Arg Pro Arg Asp Pro Glu Val Val Asn Asp Glu Ser Ser Leu Val
135          500          505          510
136 Arg His Arg Trp Lys
137          515

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/749,714

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Input Set : D:\21900-20307.10 - Seq List.txt

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